

Contents to volume 312

Hypotheses

- Ring finger in the peroxisome assembly factor-1 (FEBS 11682) *R. Patarca, M.A. Fletcher*
- The second cholera toxin, Zot, and its plasmid-encoded and phage-encoded homologues constitute a group of putative ATPases with an altered purine NTP-binding motif (FEBS 11698) *E.V. Koonin*
- Altered protein folding may be the molecular basis of most cases of cystic fibrosis (FEBS 11677) *P.J. Thomas, Y.H. Ko, P.L. Pedersen*
- The 5' untranslated region of the human cellular glutathione peroxidase gene is indispensable for its expression in COS-7 cells (FEBS 11689) *H. Kurata, K. Kamoshita, E. Kawai, Y. Sukenaga, T. Mizutani*

Research Letters

- Comparative analysis of sodium-dependent L-glutamate transport of synaptosomal and astroglial membrane vesicles from mouse cortex (FEBS 11666) *T. Rauen, G. Jeserich, N.C. Danbolt, B.I. Kanter*
- Protein phosphorylation is involved in the regulation of chromatin condensation during interphase (FEBS 11679) *V. Dombrádi, P.T.W. Cohen*
- Photoaffinity labeling of the phyloquinone-binding polypeptides by 2-azidoanthraquinone in photosystem I particles (FEBS 11681) *M. Iwaki, M. Takahashi, K. Shimada, Y. Takahashi, S. Itoh*
- Human liver and human placenta both contain CMP-NeuAc:Gal β 1 \rightarrow 4GlcNAc-R α 2 \rightarrow 3- as well as α 2 \rightarrow 6-sialyltransferase activity (FEBS 11661) *M. Nemansky, W.E.C.M. Schiphorst, C.A.M. Koeleman, D.H. Van den Eijnden*
- Molecular cloning and developmental expression of a human kidney S-adenosylmethionine synthetase (FEBS 11686) *S. Horikawa, K. Tsukada*
- The thyroid hormone response element is required for activation of the growth hormone gene promoter by nicotinamide analogs (FEBS 11694) *A. Sánchez-Pacheco, A. Aranda*
- Differential expression of keratan sulphate proteoglycans fibromodulin, lumican and aggrecan in normal and fibrotic rat liver (FEBS 11690) *N.B. Krull, A.M. Gressner*
- Cloning and sequencing of a rat type II activin receptor (FEBS 11691) *H. Shinozaki, I. Ito, Y. Hasegawa, K. Nakamura, S. Igarashi, M. Nakamura, K. Miyamoto, Y. Eto, Y. Ibuki, T. Minegishi*
- Effect of perturbing diacylglycerol metabolism on cytosolic free Ca²⁺ oscillations induced in single hepatocytes (FEBS 11693) *A. Sanchez-Bueno, P.H. Cobbold*
- Escherichia coli* DNA gyrase: genetic analysis of *gyrA* and *gyrB* mutations responsible for thermosensitive enzyme activity (FEBS 11692) *M. Oram, R. Kuroda, L.M. Fisher*
- Neuronal-type nicotinic receptors in human neuroblastoma and small-cell lung carcinoma cell lines (FEBS 11695) *P. Tarroni, F. Rubboli, B. Chini, R. Zwart, M. Oortgiesen, E. Sher, F. Clementi*
- pH changes associated with cytochrome c oxidase reaction with H₂O₂: Protonation state of the peroxy and oxoferryl intermediates (FEBS 11697) *A.A. Konstantinov, N. Caplanio, T.V. Vygodina, S. Papa*
- Expression of retinoic acid nuclear receptors in the mouse embryonal carcinoma cell line FCC7-M21 (FEBS 11702) *R. Heiermann, M. Rentrop, E. Lang, A. Maelicke*

- Changes in Na⁺,K⁺-ATPase structure induced by cation binding: Approach by Raman spectroscopy (FEBS 11701) *P. Anzenbacher, P. Mojzes, V. Baumruk, E. Amler* 80
- Inhibition by acidic phospholipids of protein degradation by ER-60 protease, a novel cysteine protease, of endoplasmic reticulum (FEBS 11703) *R. Urade, M. Kito* 83
- Interferon- γ induces cell surface expression for both types of tumor necrosis factor receptors (FEBS 11700) *R. Pandita, E. Pocsik, B.B. Aggarwal* 87
- Effect of heat-shock on *Plasmodium falciparum* viability, growth and expression of the heat-shock protein 'PFHSP70-1' gene (FEBS 11704) *Bindu-Joshi, S. Biswas, Y.D. Sharma* 91
- p42 map kinase phosphorylation sites in microtubule-associated protein tau are dephosphorylated by protein phosphatase 2A₁: Implications for Alzheimer's disease (FEBS 11708) *M. Goedert, E.S. Cohen, R. Jakes, P. Cohen* 95
- Bovine α_2 -antiplasmin: N-Terminal and reactive site sequence (FEBS 11711) *S. Christensen, L. Sottrup-Jensen* 100

Minireviews

- Unexpected intron location in non-vertebrate globin genes (FEBS 11705) *L. Moens, J. Vanfleteren, I. De Baere, A.M. Jellie, W. Tate, C.N.A. Troiman* 105
- Families of metalloendopeptidases and their relationships (FEBS 11715) *W. Jiang, J.S. Bond* 110

Research Letters

- Identification, characterization, and molecular cloning of a novel transporter-like protein localized to the central nervous system (FEBS 11710) *J.A. Gingrich, P.H. Andersen, M. Tiberi, S. El Mestikawy, P.N. Jorgensen, R.T. Fremieu Jr., M.G. Caron* 115
- Stable expression of human D₂ dopamine receptors in GH₄C₁ pituitary cells (FEBS 11707) *G.R. Seabrook, S. Patel, R. Marwood, F. Emms, M.R. Knowles, S.B. Freedman, G. McAllister* 123
- Three-dimensional structure of catalase from *Micrococcus lysodeikticus* at 1.5 Å resolution (FEBS 11667) *G.N. Murshudov, W.R. Melik-Adanyan, A.I. Grebenko, V.V. Barynin, A.A. Vagin, B.K. Vainshtein, Z. Dauter, K.S. Wilson* 127
- Tandem translation of *Bacillus subtilis* initiation factor IF2 in *E. coli*: Over-expression of *infB_{BM}* in *E. coli* and purification of α - and β -forms of IF2_{BM} (FEBS 11712) *M. Hubert, N.R. Nyengaard, K. Shazand, K.K. Mortensen, S.F. Lassen, M. Grunberg-Manago, H.U. Sperling-Petersen* 132
- Production of an antiserum specific to the ADP-ribosylated form of elongation factor 2 from archaebacteria and eukaryotes (FEBS 11709) *K.-D. Siegmund, F. Klink* 139
- A complex between replication factor A (SSB) and DNA helicase stimulates DNA synthesis of DNA polymerase α on double-stranded DNA (FEBS 11713) *S. Zhang, F. Grosse* 143
- ¹³C NMR studies of complexes of *Escherichia coli* dihydrofolate reductase formed with methotrexate and with folic acid (FEBS 11714) *H.T.A. Cheung, B. Birdsall, J. Feehey* 147
- Prothymosin α is phosphorylated by casein kinase-2 (FEBS 11717) *M.G. Barcia, J.M. Castro, C.D. Jullien, C.G. González, M. Freire* 152
- Expression of functional *Thermoplasma acidophilum* proteasomes in *Escherichia coli* (FEBS 11716) *P. Zwickl, F. Lottspeich, W. Baumeister* 157
- A voltage-gated calcium channel is linked to the antigen receptor in Jurkat T lymphocytes (FEBS 11718) *J.J. Densmore, G. Szabo, L.S. Gray* 161